INTERNATIONAL SEARCH REPORT

Intergene Application No PC1/EP2004/012257

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C10J3/84 C10J3/48 C10J3/52 C10J3/56 C10J3/54 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B01D C10J Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category of Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 4 838 898 A (MIFFLIN THOMAS R ET AL) 1,11 13 June 1989 (1989-06-13) cited in the application the whole document EP 0 308 025 A (SHELL INT RESEARCH) Α 1,11 22 March 1989 (1989-03-22) column 4, line 13 - line 15 abstract; figures A US 4 516 989 A (MINK ET AL) 1,11 14 May 1985 (1985-05-14) abstract; figures column 4, line 1 - line 29 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. ° Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. *O* document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 23 February 2005 03/03/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Lapeyrere, J

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/012257

		PCT7EP2004/012257		
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	DE 41 15 824 A (METALLGESELLSCHAFT AG) 19 November 1992 (1992-11-19) abstract; figures column 2, line 5 - line 8 column 2, line 14 - line 19	. 1,11		
Α	DE 25 12 315 A (MINTECH CORP) 26 February 1976 (1976-02-26) page 9 - page 10 abstract; figures	1,11		
A	DE 34 36 581 A (STEINMUELLER GMBH L & C ; WESTFAEL ELEKT WERKE (DE)) 10 April 1986 (1986-04-10) page 6, line 11 - line 23	1,11		
А	EP 0 370 201 A (KRUPP KOPPERS GMBH) 30 May 1990 (1990-05-30) page 3, line 32 - line 37 abstract; figures	1,11		
A	US 5 017 196 A (SHELL OIL CO) 21 May 1991 (1991-05-21) the whole document	1,11		

INTERNATIONAL SEARCH REPORT

nformation on patent family members

PCT/EP2004/012257

		_		· · · · · · · · · · · · · · · · · · ·	
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4838898	Α	13-06-1989	GB	2220213 A	04-01-1990
EP 0308025	A	22-03-1989	US AU CA	4877419 A 2221888 A 1320152 C	31-10-1989 23-03-1989 13-07-1993
			CN	1032502 A ,C	26-04-1989
			DE Ep	3867396 D1 0308025 A2	13-02-1992 22-03-1989
			JP	1127034 A	19-05-1989
			JP	2711863 B2	10-02-1998
			ZA	8806839 A	26-04-1989
US 4516989	Α	14-05-1985	NL	8105903 A	18-07-1983
			AU AU	554560 B2 9190482 A	28-08-1986 07-07-1983
			CA	1190489 A1	16-07-1985
			DE	3248405 A1	28-07-1983
			JP ZA	58119365 A 8209520 A	15-07-1983 28-09-1983
DE 4115824	A	19-11-1992	DE	4115824 A1	19-11-1992
DE 2512315	A	26-02-1976	CA	1030349 A1	02-05-1978
			DE	2512315 A1	26-02-1976
DE 3436581	Α	10-04-1986	DE	3436581 A1	10-04-1986
			AU AU	581685 B2 4792685 A	02-03-1989 10-04-1986
			ZA	8507450 A	25-06-1986
		20 05 1000			22 05 1000
EP 0370201	A	30-05-1990	DE CN	3837587 C1 1042560 A ,C	23-05-1990 30-05-1990
			DD	285990 A5	10-01-1991
			DE	3941816 A1	20-06-1991
			DE	58901693 D1	23-07-1992
			DK	548489 A	06-05-1990
			EP ES	0370201 A1	30-05-1990 16-03-1993
			PL	2033504 T3 161778 B1	30-07-1993
			ZA	8907381 A	25-07-1990
US 5017196		21-05-1991	US	5143521 A	01-09-1992
			ÜŠ	5232466 A	03-08-1993